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Imagery analysis report

Pushkino Phased-Array Radar Under Construction, USSR (S)

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PUSHKINO PHASED-ARRAY RADAR UNDER CONSTRUCTION, USSR (S)

1. (TSR) The Pushkino Phased-Array Radar [redacted] Figure 1) was observed under construction at 56-10-00N 037-46-00E in the Moscow, USSR, area (Figure 2). It is just north of the "C" ring road, 25.5 nautical miles (nm) north of Moscow, and 10 nm north-northwest of Pushkino.

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2. (TSR) The radar structure (Figure 3) is 152 meters square and pyramidal in shape. It is in a large rectangular excavation with an adjacent underground building on the northeast side. The sides of the radar face 60 degrees, 150 degrees, 240 degrees, and 330 degrees and are inclined [redacted] degrees from the vertical. Three open trenches extend south approximately 1,000 meters to an associated area, where foundations are being prepared for four structures. Two of the open trenches, one to the east and one to the west, contain large conduit sections. The third trench, to the east, contains pipe sections.

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3. (TSR) Associated facilities consist of a construction support area between the radar and the "C" ring road; a transformer yard under construction, 1.3 nm west; and a housing and support facility adjacent to the Moskva SAM Site C02-1 [redacted] support area, 2.0 nm to the east (Figure 2). Preliminary tree cutting for the access road to the radar was first visible in May 1978 [redacted] By August 1978 [redacted] the access road was under construction and clearing was in progress for the construction support facility.

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4. (TSR) Coverage during 1979 showed continued construction. In August 1979 [redacted] [redacted] the floor of the radar structure was complete and walls were being constructed below ground level on the east and south sides. Additionally, one of the trenches was being constructed and paved from the associated area toward the radar structure.

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(S) Comments and queries regarding this report are welcome. They may be directed to [redacted] Soviet Strategic Forces Division, Imagery Exploitation Group, NPIC, [redacted]

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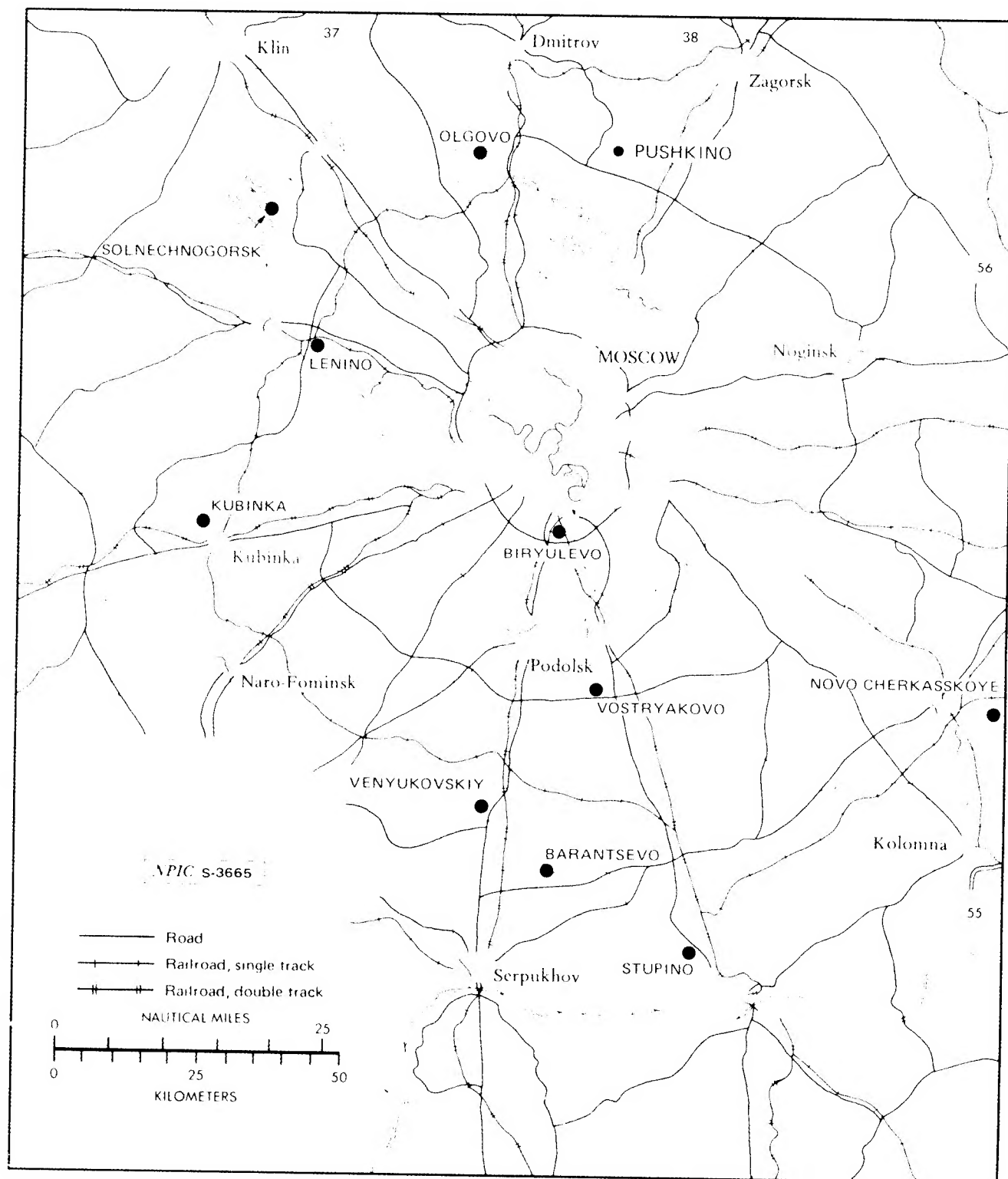


FIGURE 1. LOCATION OF PUSHKINO PHASED-ARRAY RADAR UNDER CONSTRUCTION, USSR

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